# AERONAUTICAL DATA SHEET

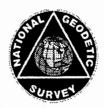
## OTSEGO COUNTY AIRPORT (GLR) GAYLORD, MICHIGAN

SURVEYED JULY 1996

THIS AERONAUTICAL DATA SHEET IS CONCURRENT WITH OC 5373 - EDITION 2

INFORMATION UPDATES FOR THIS AIRPORT, WHEN AVAILABLE CAN BE ACCESSED ON THE INTERNET AT HTTP://WWW.NGS.NOAA.GOV





PREPARED AND DISTRIBUTED BY
THE NATIONAL GEODETIC SURVEY
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

# NAVIGATIONAL AID INFORMATION

FIELD	DESCRIPTION
ELECTRONIC	ELECTRONIC NAVAIDS ARE LISTED IN ALPHABETIC ORDER BY TYPE. THE RUNWAY SERVED BY ILS COMPONENTS ARE IDENTIFIED IN PARENTHESIS. THE IDENTIFIER FOR NON-ILS NAVAIDS ARE ALSO SHOWN IN PARENTHESIS.
	"PP" (PERPENDICULAR POINT) REFERS TO THE POINT ON THE RUNWAY CENTERLINE OR CENTERLINE EXTENDED NEAREST TO THE INDICATED NAVAID.
LATITUDE	LATITUDE OF INDICATED NAVAID OR PP
LONGITUDE	LONGITUDE OF INDICATED NAVAID OR PP.
ELEV	ELEVATION OF INDICATED NAVAID OR PP.
OFFSET DISTANCE	DISTANCE BETWEEN A NAVAID AND ITS ASSOCIATED PP. OFFSET DISTANCES ARE LISTED ONLY FOR:
	- ILS GLIDE SLOPE AND LOCALIZER ANTENNAS
	-, MLS ELEVATION AND AZIMUTH GUIDANCE ANTENNAS
	- LOCALIZER TYPE DIRECTIONAL AID ANTENNAS
	- SIMPLIFIED DIRECTIONAL FACILITY ANTENNAS
	OFFSET DISTANCES ARE PROVIDED ONLY IF THE NAVAID IS MORE THAN 10 FEET OFF THE RUNWAY CENTERLINE OR CENTERLINE EXTENDED.
ALONG CNTRLN DISTANCE	DISTANCE BETWEEN NAVAID PP AND THE RUNWAY APPROACH OR STOP END, DEPENDING ON NAVAID.
	DISTANCE BETWEEN NAVAID PP AND RUNWAY APPROACH END IS PROVIDED FOR THE FOLLOWING NAVAIDS. A NEGATIVE DISTANCE FOR THESE NAVAIDS INDICATES THAT THE PP IS ON THE APPROACH SIDE OF THE RUNWAY APPROACH END.
	- ILS GLIDE SLOPE ANTENNAS
	- MLS ELEVATION GUIDANCE ANTENNAS
	- LOCALIZER ANTENNAS
	- LOCALIZER TYPE DIRECTIONAL AID ANTENNAS
	- MLS AZIMUTH GUIDANCE ANTENNAS
	- SIMPLIFIED DIRECTIONAL FACILITY ANTENNAS
	DISTANCE BETWEEN NAVAID AND RUNWAY APPROACH END IS PROVIDED FOR THE FOLLOWING NAVAIDS. NOTE - FOR THESE NAVAIDS THE PROVIDED DISTANCE IS FROM THE NAVAID, NOT THE PP, TO THE RUNWAY END.
	- BACK COURSE MARKER ANTENNAS

- ILS MARKER BEACON ANTENNAS

VISUAL

VISUAL NAVAIDS ARE LISTED IN ALPHABETIC ORDER BY TYPE.

THE RUNWAY SERVED BY THE NAVAID IS IDENTIFIED IN PARENTHESIS.

THE AIRPORT BEACON (APBN) IS THE ONLY VISUAL NAVAID

CARRYING A POSITION.

LATITUDE

LATITUDE OF INDICATED NAVAID (APBN ONLY)

LONGITUDE

LONGITUDE OF INDICATED NAVAID (APBN ONLY)

### **OBSTRUCTION INFORMATION**

OBSTRUCTION INFORMATION IS ORGANIZED INTO OBSTRUCTION BLOCKS. EACH BLOCK IS IDENTIFIED IN THE UPPER LEFT CORNER WITH A REFERENCE IDENTIFIER AND THE OBSTRUCTION IDENTIFICATION SURFACES (OIS) FOR WHICH THE SURVEY WAS ACCOMPLISHED.

FOR EXAMPLE, "4 AV" AT THE UPPER LEFT OF A BLOCK INDICATES THAT THE DATA IN THIS BLOCK PERTAINS TO RUNWAY 4 AND THAT THE OBSTRUCTION SURVEY WAS ACCOMPLISHED TO FAR77 VISUAL UTILITY RUNWAY OIS SPECIFICATIONS (SEE OIS CODING BELOW).

OBJECTS LOCATED WITHIN A FAR77 APPROACH OR PRIMARY AREA ARE LISTED IN AN OBSTRUCTION BLOCK WITH A RUNWAY NUMBER AS THE REFERENCE IDENTIFIER AND AN FAR77 OIS CODE.

OBJECTS LOCATED WITHIN AN AREA NAVIGATION APPROACH (ANA) CONVENTIONAL LANDING APPROACH, PRIMARY, TRANSITION, OR MISSED APPROACH AREA ARE LISTED IN AN OBSTRUCTION BLOCK WITH A RUNWAY NUMBER AS THE REFERENCE IDENTIFIER AND AN ANA OIS CODE.

IF BOTH A FAR77 AND ANA SURVEY WERE ACCOMPLISHED FOR THE SAME APPROACH, THE DATA WILL BE CARRIED IN TWO OBSTRUCTION BLOCKS, EACH SHOWING THE SAME RUNWAY NUMBER AS THE REFERENCE IDENTIFIER BUT DIFFERENT OIS CODING.

OBJECTS LOCATED WITHIN A FAR77 HORIZONTAL, CONICAL, OR TRANSITION AREA ARE LISTED IN AN OBSTRUCTION BLOCK WITH THE AIRPORT REFERENCE POINT (ARP) AS THE REFERENCE IDENTIFIER AND "HCT" AS THE OIS CODE.

OBJECTS LOCATED WITHIN ANY HELIPORT OIS ARE LISTED IN AN OBSTRUCTION BLOCK WITH THE HELIPORT REFERENCE POINT (HRP) AS THE REFERENCE IDENTIFIER AND AN ANA VERTICAL LANDING OIS CODE.

#### OIS CODING FOLLOWS:

- ANAC AREA NAVIGATION APPROACH/ NONPRECISION, CONVENTIONAL LANDING. (STANDARDS TO BE DEVELOPED)
- ANAV AREA NAVIGATION APPROACH/ NONPRECISION, VERTICAL LANDING. (STANDARDS TO BE DEVELOPED)
- ANAPC AREA NAVIGATION APPROACH/ PRECISION, CONVENTIONAL LANDING. INCLUDES APPROACH, PRIMARY, TRANSITION, AND MISSED APPROACH SURFACES.
- ANAPV AREA NAVIGATION APPROACH/ PRECISION VERTICAL LANDING (STANDARDS TO BE DEVELOPED)
- AV FAR77 VISUAL APPROACH/UTILITY RUNWAY.
  INCLUDES APPROACH AND PRIMARY SURFACES ONLY.
- ANP FAR77 NONPRECISION APPROACH/ UTILITY RUNWAY. INCLUDES APPROACH AND PRIMARY SURFACES ONLY.
- BV FAR77 VISUAL APPROACH INCLUDES APPROACH AND PRIMARY SURFACES ONLY.
- C FAR77 NONPRECISION APPROACH/ VISIBILITY MINIMUMS GREATER THAN 3/4 MILE. INCLUDES APPROACH AND PRIMARY SURFACES ONLY.
- FAR77 NONPRECISION APPROACH/ VISIBILITY MINIMUMS AS LOW AS 3/4 MILE.

#### INCLUDES APPROACH AND PRIMARY SURFACES ONLY.

PIR - FAR77 PRECISION INSTRUMENT APPROACH.
INCLUDES APPROACH AND PRIMARY SURFACES ONLY.

SUPLC - C OIS UNDERLYING A BV OIS.
INCLUDES APPROACH AND PRIMARY SURFACES ONLY.

+ FAR77 HORIZONTAL, CONICAL, AND TRANSITION
INCLUDES FAR77 HORIZONTAL, CONICAL, AND TRANSITION SURFACES ONLY...

NUL - OIS NOT APPLICABLE

NOTE: SPECIAL CONSIDERATIONS FOR MOBILE OBJECTS AND VESSELS ARE DISCUSSED BELOW.

#### MOBILE OBJECTS:

AN ESTIMATED MAXIMUM ELEVATION (EME) POINT IS PROVIDED FOR FAR77 SURVEYS AT: (1) THE POINT NEAREST TO THE RUNWAY APPROACH CENTERLINE END FOR PRIMARY SURFACE PENETRATIONS, (2) THE MOST PENETRATING POINT FOR APPROACH SURFACE PENETRATIONS, AND (3) AS APPROPRIATE TO REPRESENT EACH MOBILE OBJECT AREA.

AN ESTIMATED MAXIMUM ELEVATION (EME) POINT IS PROVIDED FOR ANA SURVEYS AT:
(1) THE POINT NEAREST TO THE RUNWAY CENTERLINE AT THE THRESHOLD FOR PRIMARY SURFACE PENETRATIONS, (2) AND MOST PENETRATING POINT FOR APPROACH SURFACE PENETRATIONS, AND (3) AS APPROPRIATE TO REPRESENT EACH MOBILE OBJECT AREA.

#### VESSELS:

VESSEL POSITIONS AND ELEVATIONS ARE NOT PROVIDED BECAUSE OF UNCERTAINTIES IN DETERMINING MAXIMUM VESSEL HEIGHTS, TRAVEL LIMITS, AND FREQUENCY OF PASSAGE.

IF A POSSIBLE VESSEL OBSTRUCTION EXISTS, THE NAME "VESSEL" WILL BE ENTERED IN THE OBSTRUCTION BLOCK IN THE OBJECT NAME FIELD. FOR FAR77 STUDIES, THE GENERAL AREA OF POSSIBLE OBSTRUCTION WILL ALSO BE ENTERED IN PARENTHESIS WITH THE OBJECT NAME.

FOR VESSELS POSSIBLY OBSTRUCTING AN FAR77 APPROACH OR PRIMARY OIS, AN "A" FOLLOWED BY THE APPROPRIATE RUNWAY NUMBER WILL ALSO BE ENTERED IN THE OBJECT NAME FIELD.

FOR VESSELS POSSIBLY OBSTRUCTING AN FAR77 HORIZONTAL, CONICAL, OR TRANSITION OIS, AN "HCT" WILL ALSO BE ENTERED THE OBJECT NAME FIELD.

FOR VESSELS POSSIBLY OBSTRUCTING AN ANA OIS, ONLY THE NAME "VESSEL" WILL BE ENTERED IN THE OBJECT NAME FIELD.

#### **EXAMPLES:**

#### FOR FAR77 OIS:

VESSEL(A32) 7 VESSELS MAY OBSTRUCT THE RUNWAY 32 FAR77 APPROACH OR PRIMARY OIS.

VESSEL(HCT) - VESSELS MAY OBSTRUCT AN FAR77 HORIZONTAL, CONICAL, OR TRANSITION OIS.

#### FOR ANA OIS:

VESSEL - VESSELS MAY OBSTRUCT THE RUNWAY 32 APPROACH, PRIMARY, TRANSITION, OR MISSED APPROACH OIS.

IF POSSIBLE VESSEL OBSTRUCTION IS INDICATED, USER'S ARE ADVISED TO CONTACT LOCAL AUTHORITIES FOR MAXIMUM VESSEL HEIGHT, FREQUENCY OF PASSAGE, TRAVEL LIMITS, AND OTHER PERTINENT INFORMATION.

FIELD

DESCRIPTION

# FOR OBSTRUCTION BLOCKS WITH RUNWAY NUMBER AS REFERENCE IDENTIFIER

**OBJECT** 

**OBJECT NAME** 

LATITUDE

**OBJECT LATITUDE** 

LONGITUDE

OBJECT LONGITUDE

A

ACCURACY (CODED)

HORIZONTAL (FT)

VERTICAL (FT)

1 = 20

A = 3

2 = 50

B = 10

C = 20

M = EST MAX ELEV\*

\*AN ESTIMATED MAXIMUM ELEVATION IS PROVIDED WHEN THE ELEVATION CANNOT BE ACCURATELY DETERMINED, AS WITH

MOBILE OBJECTS.

ELEV

ELEVATION OF THE TOP OF THE OBJECT

AGL

ABOVE GROUND ELEVATION. AGL VALUES ARE NORMALLY PROVIDED ONLY FOR THOSE REPRESENTATIVE OBSTRUCTIONS THAT ARE MANMADE AND EQUAL TO OR GREATER THAN 200 FEET

AGL.

HAR

HEIGHT ABOVE RUNWAY PHYSICAL END

HAT

HEIGHT ABOVE TOUCHDOWN ZONE ELEVATION

HAA

HEIGHT ABOVE AIRPORT

DEND

DISTANCE MEASURED ALONG THE RUNWAY CENTERLINE OR CENTERLINE EXTENDED FROM THE RUNWAY PHYSICAL END TO A POINT ABEAM THE OBJECT. A NEGATIVE DISTANCE INDICATES THAT THE OBJECT IS ON TOUCHDOWN SIDE OF RUNWAY

APPROACH END.

DTHR

DISTANCE MEASURED ALONG THE RUNWAY CENTERLINE OR CENTERLINE EXTENDED FROM A DISPLACED THRESHOLD TO A POINT ABEAM THE OBJECT. A NEGATIVE DISTANCE INDICATES THAT THE OBJECT IS ON THE TOUCHDOWN SIDE OF THE

THRESHOLD.

DCLN

SHORTEST DISTANCE FROM THE RUNWAY CENTERLINE OR CENTERLINE EXTENDED TO THE OBJECT. "L" (LEFT) OR "R" (RIGHT) IS RELATIVE TO AN OBSERVER FACING FORWARD IN A LANDING AIRCRAFT. AN ASTERISK (\*) INDICATES THAT THE OBJECT IS OUTSIDE, BUT WITHIN 50 FEET OF, THE INDICATED OIS.

**PNTR** 

PENETRATION OF THE INDICATED OIS.

FIELD

#### DESCRIPTION

# FOR OBSTRUCTION BLOCKS WITH ARP AS REFERENCE IDENTIFIER

**OBJECT** OBJECT NAME

LATITUDE OBJECT LATITUDE

LONGITUDE OBJECT LONGITUDE

ELEVATION AT THE TOP OF THE OBJECT

A ACCURACY (CODED)

HORIZONTAL (FT) VERTICAL (FT)

1 = 20 A = 3

2 = 50 B = 10

C = 20

M = EST MAX ELEV\*

\*AN ESTIMATED MAXIMUM ELEVATION IS PROVIDED WHEN THE ELEVATION CANNOT BE ACCURATELY DETERMINED, AS WITH

MOBILE OBJECTS.

AGL ABOVE GROUND ELEVATION. AGL VALUES ARE NORMALLY

PROVIDED ONLY FOR THOSE REPRESENTATIVE OBSTRUCTIONS THAT ARE MANMADE AND EQUAL TO OR GREATER THAN 200 FEET

AGL.

HAA HEIGHT ABOVE AIRPORT

MAG BEARING MAGNETIC BEARING FROM ARP TO OBJECT

**DISTANCE** DISTANCE FROM ARP TO OBJECT

PNTR PENETRATION OF HORIZONTAL, CONICAL, OR TRANSITION OIS.

ATTENTION: The complete documentation for NGS FORM 292 - AERONAUTICAL DATA SHEET is available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990. When ordering the documentation for NGS FORM 292 refer to it as "DATADOC".

#### NGS FORM-292

#### AERONAUTICAL DATA SHEET NATIONAL GEODETIC SURVEY

DATE GENERATED: 04/13/98

PROJECT NUMBER: 5373

SITE NUMBER: 09834.A **SURVEY DATE:** 07/30/96

HORIZONTAL DATUM: NAD83

VERTICAL DATUM: NGVD29

DECLINATION: 6.0W

ARPT ELEVATION: 1328.2 AIRPORT REFERENCE POINT LATITUDE: 450048.7727

ARPT NAME: OTSEGO COUNTY AIRPORT

ARPT IDENTIFIER: GLR

DISTANCE FROM RWY END: 27+0 ATCT FLOOR ELEV:

LONGITUDE: -844211.4816

RUNWAY INFORMATION

CITY: GAYLORD

STATE: MICHIGAN

RUNWAY: 9/27 LENGTH: 6500 WIDTH: 100 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA

DISPLACED THRESHOLD DATA

GEODETIC

ELEV AZ (N)

TDZE LENGTH

LATITUDE LONGITUDE

450052.2087 -844258.4686 1319.4 900648 1319.4 9 450052.0718 -844127.9896 1328.2 2700752 1328.2

PROFILE DATA

RWY

DISTANCES FROM APPROACH END 9

LATITUDE LONGITUDE

DISTANCES FROM APPROACH END 27

DISTANCE	ELEV	DISTANCE	ELE
0	1319.4	0	1328.
1200	1311.5	1710	1325.
1800	1312.1	2850	1321.
3000	1319.2	3500	1319.
3650	1321.2	4700	1312.
4790	1325.5	5300	1311.
6500	1328.2	6500	1319.

1. C. C. C.					HAVE THAT					개통되다 방법이 되다.	
RUNWAY	7: 18/36	LENG	TH: 3000	WIDTH:	75	SURFAC	E TYPE:	SPECIALLY	PREPARED	HARD SURFACE	- PAVED
				선생님은 하는데							
RUNWAY	END DA	TA						DISPLACED	THRESHOLI	DATA	
						GEODETIC					
RWY	LATITU	De i	ONGITUDE	ELE	<b>∀</b>	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUD	E ELEV
1.8	450056.	2836 -8	44207.651	8 1321.	2 :	1800714	1321.9				
36	450026.	6600 -E	44207.739	6 1316.	8	714	1321.9	하네다. 이 목 없는			

PROFILE DATA

DISTANCES FROM APPROACH END 36

DISTANCES FROM APPROACH END 18

80.00	THE CONTRACT OF THE STREET OF STREET				5 X X Y Y Y Y Y Y Y	
I	DISTANCE	ELEV		DIS'	TANCE	ELEV
	0	1316.8			0	1321.2
	1880	1321.9	100 100 100 100 100 100 100 100 100 100		420	1321.2
A C	2580	1321.2			1120	1321.9
	3000	1321.2		<b>从</b> 會从一步。	3000	1316.8

DATE GENERATED: 04/13/98

PROJECT NUMBER: 5373

SITE NUMBER: 09834.A SURVEY DATE: 07/30/96

HORIZONTAL DATUM: NAD83

VERTICAL DATUM: NGVD29

ARPT IDENTIFIER: GLR

ARPT NAME: OTSEGO COUNTY AIRPORT

CITY: GAYLORD STATE: MICHIGAN

### NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
NDB (ALV) VOR/DME (GLR)	450052.5463 450044.9358	-844829.1137 -844215.4096	1320.0		
VISUAL	LATITUDE	LONGITUDE			
ALS (27) APBN PAPI (9)	450104.1768	-844132.1156			
PAPI (18) PAPI (27) PAPI (36) REIL (9) REIL (27)					

ARPT IDENTIFIER: GLR

ARPT NAME: OTSEGO COUNTY AIRPORT

CITY: GAYLORD STATE: MICHIGAN DATE GENERATED: 04/13/98
PROJECT NUMBER: 5373
SITE NUMBER: 09834.A
SURVEY DATE: 07/30/96
HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NGVD29

#### OBSTRUCTION INFORMATION

9 C					. 6	1.47					
OBJECT	LATITUDE	LONGITUDE A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
CLOM	450054.65	-844127.35 1A	1334		15	15	6	-6545		*261L	6
GROUND	450055.23	-844305.64 1A	1327		8	. S	-1	516		*305L	-2
TREE	450057.37	-844341.19 1A	1403		84	84	75	3070		517L	-1
TREE	450049.96	-844341.72 1A	1395		76	76	67	3107		233R	-10
TREE	450055.69	-844344.17 1A	1402		83	83	74	3284		347L	-8
<b>27</b> C											
OBJECT	LATITUDE	LONGITUDE A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
CLOM	450054.65	-844127.35 1A	1334		6	6	6	45		*261R	6
WEATHER SENSOR	450054.70	-844124.72 1A	1332		4	4	4	234		*267R	3
TREE	450055.61	-844116.89 1A	1363		35	35	35	797		*360R	17
TREE	450048.22	-844116.75 1A	1356		28	28	28	808		*388L	10
TREE	450056.21	-844113.48 1A	1371		43	43	43	1041		*421R	18
TREE	450047.16	-844106.05 1A	1376		48	48	48	1577		*494L	7
TREE	450056.30	-844106.01 1A	1383		55	55	55	1578		432R	14
TREE	450050.70	-844105.73 1A	1370		42	42	42	1600		136L	. 1
TREE	450048.92	-844101.46 1A	1387		59	59	59	1907		315L	9
TREE	450056.87	-844100.43 1A	1394		66	66	66	1979		490R	14
TREE	450051.38	-844057.85 1A	1382		54	54	54	2165		66L	-4

18         AV           OBJECT         LATITUDE         LONGITUDE A ELEV AGL HAR HAT HAA DENI           ROAD(N)         450105.12 -844207.67 1A 1335         14 13 7 895	D DTHR	
대통령은 그렇지 않아 보다 이 사람이 되었다. 그 아이들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람	D DTHR	
TOAD(N). 450105 12 044207 67 13 1225 14 12 7 005		DCLN PNTR
- KUADINI	5	3R -21
TREE 450109.17 -844210.27 1A 1348 27 26 20 1305	and the second s	191R -28
. <b>36</b> Professional Control of the C		
OBJECT LATITUDE LONGITUDE A ELEV AGL HAR HAT HAA DENI	D DTHR	DCLN PNTR
BUSH 450020.60 -844210.30 1A 1331 14 9 3 615	5	*183L -7
TREE 450018.11 -844204.85 1A 1336 19 14 8 865	5	*209R -14
TREE 450016.32 -844205.52 1A 1334 17 12 6 1047	<b>7</b>	161R -25
TREE 450006.98 -844205.32 1A 1349 32 27 21 1993	3	178R -57
가는 바늘이 한다는 것이 되었다. 그런 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은		
ARP HCT		
OBJECT LATITUDE LONGITUDE A ELEV AGL HAA MAG BEARING	DISTANC	E PNTR
OBJECT         LATITUDE         LONGITUDE         A ELEV AGL HAA MAG BEARING           BUSH         450100.24         -844210.62 1A 1339         11         902	DISTANC	
		53 -2
BUSH 450100.24 -844210.62 1A 1339 11 902	116	53 -2 .2 6
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446	11 <i>6</i> 151	53 -2 2 6 16 -3
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608	116 151 164	53 -2 2 6 46 -3 54 6
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409	116 151 164 215	53 -2 .2 6 .46 -3 .54 6
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254	116 151 164 215 231	53 -2 2 6 46 -3 54 6 17 1
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331	116 151 164 215 231 242	53 -2 2 6 46 -3 54 6 27 1 29 2
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418	116 151 164 215 231 242 285	53 -2 2 6 46 -3 54 6 17 1 29 2 55 -8 42 -16
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717	116 151 164 215 231 242 285 314	53 -2 2 6 6 -3 54 6 17 1 29 2 55 -8 42 -16
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706	116 151 164 215 231 242 285 314 322	53 -2 2 6 6 -3 64 6 17 1 29 2 55 -8 12 -16 16 4
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706	116 151 164 215 231 242 285 314 322 323	53 -2 2 6 6 -3 64 6 7 1 29 2 55 -8 62 -16 66 4 60 -63 77 -3
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706 GROUND 450049.07 -844258.48 1A 1326 -2 27630	116 151 164 215 231 242 285 314 322 323 337	53 -2 52 6 66 -3 54 6 57 1 29 2 55 -8 62 -16 66 4 60 -63 77 -3 63 1
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706 GROUND 450049.07 -844258.48 1A 1326 -2 27630 WEATHER SENSOR 450054.70 -844124.72 1A 1332 4 8551	116 151 164 215 231 242 285 314 322 323 337 341	53 -2 52 6 66 -3 54 6 17 1 19 2 55 -8 12 -16 16 4 10 -63 17 -3 180 0
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706 GROUND 450049.07 -844258.48 1A 1326 -2 27630 WEATHER SENSOR 450055.26 -844301.17 1A 1327 -1 28626	116 151 164 215 231 242 285 314 322 323 337 341 363	53 -2 22 6 34 6 37 1 29 2 55 -8 42 -16 36 4 30 -63 77 -3 3 1 30 0 32 3
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706 GROUND 450049.07 -844258.48 1A 1326 -2 27630 WEATHER SENSOR 450054.70 -844124.72 1A 1332 4 8551 GROUND 450055.26 -844301.17 1A 1327 -1 28626 TREE 450048.22 -844116.75 1A 1356 28 9648	116 151 164 215 231 242 285 314 322 323 337 341 363 393	53 -2 22 6 34 6 17 1 29 2 55 -8 12 -16 26 4 30 -63 77 -3 3 1 30 0 32 3 46 -2
BUSH 450100.24 -844210.62 1A 1339 11 902 TREE 450103.70 -844211.93 1A 1374 46 446 BUSH 450032.52 -844211.54 1A 1336 8 18608 BUSH 450027.51 -844210.52 1A 1334 6 18409 BUSH 450026.49 -844204.18 1A 1337 9 17254 BUSH 450025.36 -844204.18 1A 1338 10 17331 BUSH 450020.60 -844210.30 1A 1331 3 18418 TREE 450018.11 -844204.85 1A 1336 8 17717 CLOM 450054.65 -844127.35 1A 1334 6 8521 ROD ON OL APBN 450104.18 -844132.12 1A 1404 76 6706 GROUND 450040.07 -844258.48 1A 1326 -2 27630 WEATHER SENSOR 450055.26 -844301.17 1A 1327 -1 28626 TREE 450048.22 -844116.75 1A 1356 28 9648 GROUND 450055.23 -844305.64 1A 1327 -1 28532	116 151 164 215 231 242 285 314 322 323 337 341 363 393	2 6 2 6 3 4 6 3 4 6 3 7 1 29 2 55 -8 32 -16 30 -63 77 -3 3 1 30 0 32 3 36 -2 33 14

CT	(CONTINUED)									
		LATITUDE 🛒	LONGITUDE	A	ELEV	AGL	HAA MAG	BEARING	DISTANCE	PNTR
OI. TANK		450119.68	-844056.18	1A	1489		161	6556	6250	10
	TWR	450140.35	-844029.00	1 <b>A</b>	1523		195	6037	9027	44
The state of the s		450132.68	-843939.89	1A	1630	288	302	7346	11763	151
The Target Control of the Control of	일시하는데 그러워 이름입니?		-843959.70	1A	1570		242	4809	14099	0
OL TWR				T	1721	328	393	4521	15146	93
V	WR WR	OL MCWV TWR WR WR	OL TANK 450119.68 OL MCWV TWR 450140.35 WR 450132.68 WR 450231.94	DL TANK 450119.68 -844056.18 DL MCWV TWR 450140.35 -844029.00 WR 450132.68 -843939.89 WR 450231.94 -843959.70	OL TANK 450119.68 -844056.18 1A OL MCWV TWR 450140.35 -844029.00 1A WR 450132.68 -843939.89 1A WR 450231.94 -843959.70 1A	OL TANK 450119.68 -844056.18 1A 1489 OL MCWV TWR 450140.35 -844029.00 1A 1523 WR 450132.68 -843939.89 1A 1630 WR 450231.94 -843959.70 1A 1570	DL TANK 450119.68 -844056.18 1A 1489 DL MCWV TWR 450140.35 -844029.00 1A 1523 WR 450132.68 -843939.89 1A 1630 288 WR 450231.94 -843959.70 1A 1570	OL TANK 450119.68 -844056.18 1A 1489 161 OL MCWV TWR 450140.35 -844029.00 1A 1523 195 WR 450132.68 -843939.89 1A 1630 288 302 WR 450231.94 -843959.70 1A 1570 242	DL TANK 450119.68 -844056.18 1A 1489 161 6556 DL MCWV TWR 450140.35 -844029.00 1A 1523 195 6037 WR 450132.68 -843939.89 1A 1630 288 302 7346 WR 450231.94 -843959.70 1A 1570 242 4809	DL TANK 450119.68 -844056.18 1A 1489 161 6556 6250 DL MCWV TWR 450140.35 -844029.00 1A 1523 195 6037 9027 WR 450132.68 -843939.89 1A 1630 288 302 7346 11763 WR 450231.94 -843959.70 1A 1570 242 4809 14099

### ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT HTTP://WWW.NGS.NOAA.GOV.

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "\*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.

